



DECUS Sampler for OpenVMS

digital

Compact Disc User's Guide

OpenVMS

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This booklet describes the contents of the DECUS Sampler for OpenVMS compact disc kit.

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1 Overview

Sponsored by Digital Equipment Computer Users Society, the enclosed DECUS Sampler for OpenVMS compact disc (CD) contains free software tools and documentation to aid software developers in creating and porting applications to run on Digital's VAX and Alpha AXP architectures. The DECUS Sampler CD includes the following features:

- Some of the most popular, most often requested software packages
- Binaries, source code, and documentation to give users a running start in creating OpenVMS software for both VAX and Alpha AXP platforms
- Documents in electronic form, without restrictions on their distribution, to help users to understand and get the best use from OpenVMS on both the VAX and Alpha AXP architectures at many levels

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2 CD Contents

The programs presented here come from a point early in the history of the Alpha AXP architecture and represent a small subset of the programs useful on OpenVMS that are available from the DECUS library. They were converted to Alpha AXP by a team of DECUS volunteers known as the VAX-to-Alpha Systems Transition (VAST) Initiative Porting Team. Later or more complete versions of the software on this disc can be found in the DECUS Library as the authors update them.

Most programs have versions for both OpenVMS VAX and OpenVMS AXP. Each top level directory has a file named AAAREADME.TXT that lists and describes the files in that directory. In addition, the programs contain source code and build files and generally have pre-built executable files.

Certain programs are distributed with a single set of source code as well as the compiled code for both the VAX and Alpha AXP architectures. Other programs are distributed with OpenVMS VAX and OpenVMS AXP source code. This lets you see the code differences and the minimal effort required to convert OpenVMS code from VAX to Alpha AXP.

The DECUS Sampler CD includes the following software:

- A spreadsheet system (subset version)
- Two multisession monitors
- Several archiving and compression tools
- A full-screen user interface tool (cswing)
- Idle session or workstation monitors
- Asynchronous communication packages
- A spelling checker
- A generic RMS file or device editor and patcher
- Selected X tools including Xterm and XV (view arbitrary images) and image manipulation software
- Lots of programming examples and utilities

There are also two directory trees, as follows, that contain items of interest:

[DECUSLIB...]¹

DECUS library catalog, databases, and fulltext browser utility for VAX and Alpha AXP

[SIGTAPEINDEX...]¹

Reference index of the popular software collections (SIG Tapes) from the DECUS VMS Systems and Languages & Tools Special Interest Groups, including abstracts, readme information, plus a tools directory

¹Also contains an AAAREADME.STARTCD file with more information about the items listed.

3 Ordering Information

Additional copies of this DECUS Sampler for OpenVMS compact disc are available through the DECUS Library (Order No. VS0160) for a nominal fee of \$25. To order additional copies, US residents should contact DECUS Customer Service at 1-800-DECUS55. All others should contact their local DECUS office.

For more information about DECUS, contact:

DECUS - US CHAPTER
SHR1-4/D31
333 SOUTH STREET
SHREWSBURY, MA 01545-4195

Tel. 1-800-DECUS55

From outside the US, contact your local DECUS or Digital office.

4 Mounting and Controlling Access to the Disc

Before you insert a CD into its drive, make sure you know how to operate the CD drive. For more information, see the *Optical Disc Drive Owner's Manual* for your CD drive.

To access the files on the DECUS Sampler disc, mount the disc. Perform the following steps:

1. Note the volume label of the disc: VS0160
2. Insert the disc into the drive.
3. Log into the system manager's account (SYSTEM).
4. Mount the disc. Enter the MOUNT command in the following format:

```
MOUNT DBK400: VS0160
```

5 Digital Equipment Computer Users Society

The mission of the Digital Equipment Computer Users Society (DECUS) is to promote the exchange of information among people interested in Digital and Digital related products, services and technologies; to advance their interests; and to help them and their organizations be more successful. DECUS is a worldwide organization with chapters in the US, Europe, and around the world. There are over 120,000 members worldwide including over 50,000 members in the US Chapter.

Membership in DECUS is free and is granted on an individual basis.

Members of DECUS share information through year-round training programs, published materials, online technical conferences, and the widest selection of public domain software specifically for Digital computers.

The DECUS US Chapter, for example, offers a variety of products and services to its membership, including:

- **DECUS National Event:** This semiannual event is perhaps the most visible project of the US Chapter. With an emphasis on "state-of-the-practice" training, it is comprised of three parts:
 - A two-day seminars program that features one- and two-day, in-depth, training seminars
 - A five day symposium and Digital Technology Center that consists of over 1,100 hours of sessions and demonstrations of Digital's latest product offerings
 - A three-day Trade Show features over 100 third-party vendors from within the Digital marketing space demonstrating their solutions
- **DECUS Library:** One of the largest clearinghouses for public domain software, the DECUS Library contains thousands of programs and application packages written and submitted by users from around the world.
- **DECUS Special Interest Groups (SIGs):** SIG members work to facilitate the exchange of information around specific products, applications, operating systems and industry issues. Special Interest Groups of the DECUS US Chapter include: Artificial Intelligence; Applications, Integration, & Management; Business Practices; Computer - Human Interaction; Data Acquisition, Analysis, Real Time, & CIM; Data Management Systems; Education; Electronic Publishing; Fourth Generation Languages; Graphics Applications; Languages & Tools; MUMPS; Networks; Personal Computing Systems; Security; Site, Management, & Training; Technology, Hardware, & Engineering; Third-Party Providers; UNISIG (UNIX focused); and OpenVMS Systems.
- **DECUServe:** This unique 24-hour-a-day, 365-days-a-year, electronic conferencing system puts subscribers in touch with Digital-oriented system managers, programmers, analysts, and end users.
- **Local Users Groups (LUGs):** An invaluable support tool for every user of Digital products and services, LUGs act as local support groups where participants interact with their peers and Digital personnel. Some LUGs also join together to hold regional conferences.

- **Local Seminars:** Presented throughout the year at various geographic locations, these one- to two-day sessions provide in-depth training on specific technical topics of interest to Digital and Digital-related product users.

DECUS Chapters worldwide offer many similar services and products including symposia, seminars, special interest and local user groups. If you are interested in participating, contact either your local DECUS group or local Digital office for information.

6 The DECUS Library

The purpose of the DECUS Library is to acquire, organize, archive and disseminate freely distributable software and related information around the world. This disc is a sampling of the thousands of applications, compilers, editors, utilities, graphics routines, analysis tools, and games available through the DECUS Library for a variety of computer platforms. The following are examples of what the DECUS Library offers:

- A complete TCP/IP subsystem for OpenVMS
- Database management systems (including INGRES - similar ones)
- A disk defragmenting subsystem and report tools
- The complete version of the spreadsheet system
- Compilers for C, C++, BASIC, Pascal, and other languages
- Mail routers (between DECnet, UUCP, TCP/IP, Jnet, and others)
- KERMIT for most computer systems
- A complete UUCP system for VMS
- Disk caching subsystems
- dBase III - similar DBMS system
- Remote tape and disk drivers
- Security checking suites for UNIX and VMS (and various security tools)
- Motif front ends for system management tools
- Automated system management and system scheduling/monitoring packages
- Source code and object code control subsystems (for software development)
- Terminal advisor systems and remote control and audit systems

- Appointment and calendaring subsystems
- Graph generation subsystems (including some for the spreadsheet on this CD)
- Complete publishing systems for high quality output on a variety of devices
- Ethernet and system service monitoring programs
- Antivirals for most PCs
- OpenVMS billing subsystem
- Circuit design and simulation systems
- Flight simulator for DECwindows
- ... and MANY more

A DECUS Library catalog database can be found on this Sampler disc in the [DECUSLIB...] directory tree, with a fulltext browser.

The DECUS Library publishes an annual catalog of its newest additions and most popular packages. To obtain a free copy or to learn more about the DECUS Library services, contact the DECUS office in your area.

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